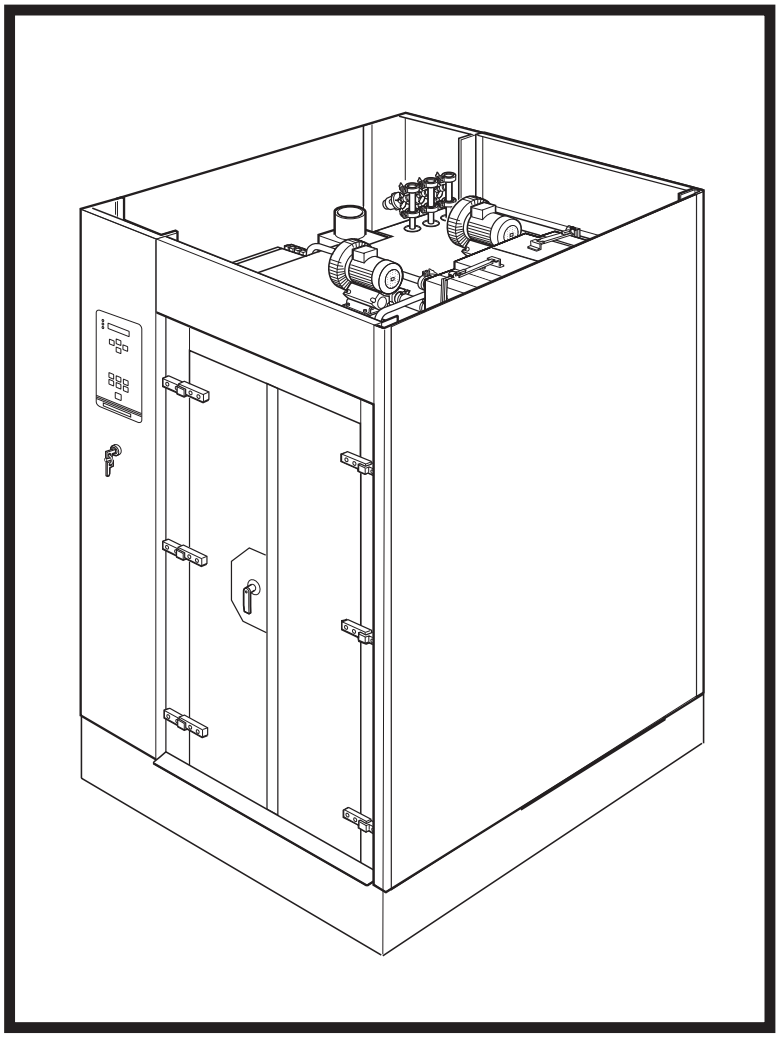
OPERATING INSTRUCTIONS



GETINGE

9900-serie
Decomat

Serial no. 23818-
5005847-00

GETINGE
DISINFECTION

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Safety rules

This machine is designed with a number of integrated safety devices. To avoid personal injury it is essential that the safety devices are not bypassed or in any other way put out of action.

General safety rules

- The machine should be connected according to the instructions.
- The machine may not by used by juveniles.
- Installation work and servicing should be carried out by staff trained to use this machine.
- The door switch on the machine may not be bypassed under any circumstances.
- Leakage in the system, eg, due to worn lid gasket, must be repaired immediately.
- Personnel concerned must study valid handbooks and service manuals prior to any repairs or service work.
- All plug-in leads must be unplugged from all of the circuit boards of the control system before any welding on or close to the dishwasher is started.
- The machine may not be sprayed with water.
- Caution must be observed when using corrosive detergents.
- Safety precautions must be observed when using hot water or steam.
- Getinge 9900 may only be used for what it is designed and intended for , see operating instructions.
- The machine must not without permission from Getinge, be modified or rebuilt so that the function or effect changes.

Service in washing chamber

When serving the washing chamber, bring the key to the emergency shutdown.

Power cut-off device

The machine can be provided with a separate main switch in the power supply line, easily accessible on the wall.

Caution symbols

This manual contains certain warnings, instructions and advice of such importance that they are particularly emphasized. The configuration and use of the appertaining symbols are as follows:

This symbol indicates a warning in the text. It gives warning of dangers which could lead to minor or major injury to the person and even to a fatality.

It is also used in warnings to avoid damage to the machine.

This symbol indicates a warning (in the text) concerning the handling of ESD-sensitive components. Misuse may cause damage to the appliance or PCB.

This symbol indicates a warning in text included in the manual concerning hot surfaces on the machine. Such warnings refer to hazards that can result in more or less serious injury and in some cases fatal injury.

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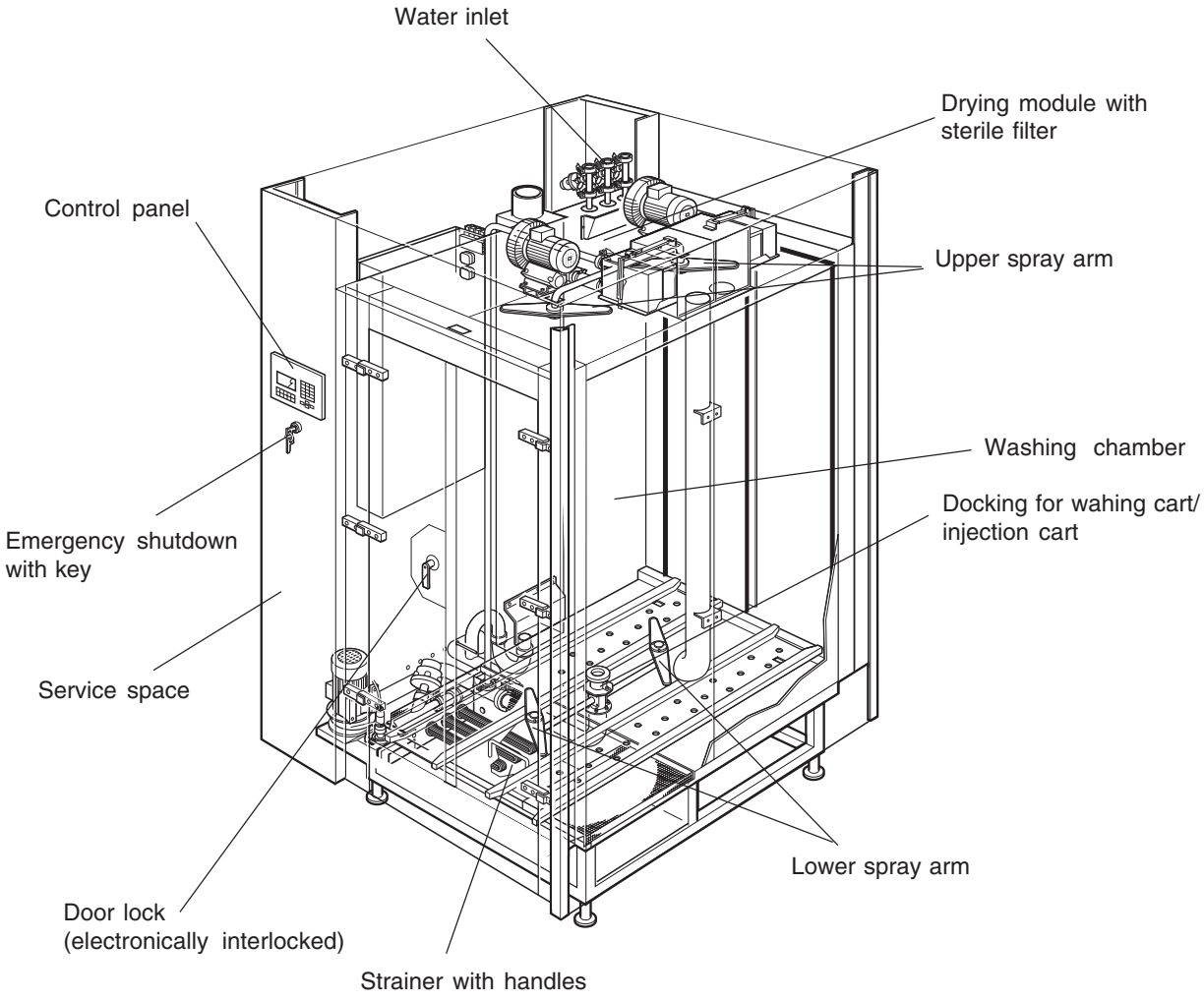
Getinge 9900- series

The Getinge 9900-series is a fully automatic washer disinfector for the cleaning and disinfecting of contaminated dishware in hospitals, laboratories and the pharmaceutical industry.

The machine is provided with four spray arms and can be equipped with a variety of accessories for different cleaning requirements.

Several options are available with regard to installation to suit the range of use intended:

- Electric or steam heating.
- Connection of distilled or deionized water.
- With or without built-in drying system.
- Single or double doors for barrier mounting
- Freestanding or pit mounted
- Service space, right or left from door soiled side.



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Programming device

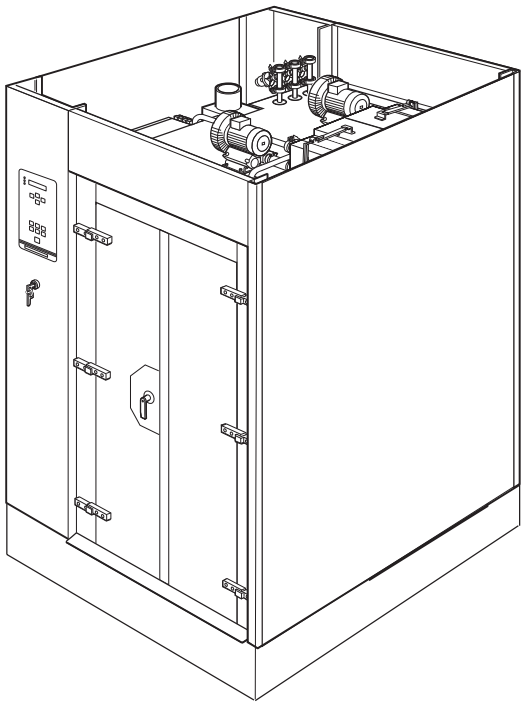
The machine is fitted with an electronic programmable device which can contain a maximum of 60 different programs. Six of these programs can be chosen using the program selection buttons.

A number of standard programs are included in the programming device on delivery (see section, Standard programs). These programs can be modified to suit individual customer requirements. Furthermore, completely new individual programs can be programmed directly into the machine from the machine control panel. If desired, the whole or parts of a standard program can be used as the basis for programming.

Programming may only be carried out by authorized personnel.

Door function

Getinge 9900 is provided with either one or two doors. Doors are of the vertical sliding type.



Two doors are used when you want to have an interlocking function between clean and soiled side of the machine. It works as follows:

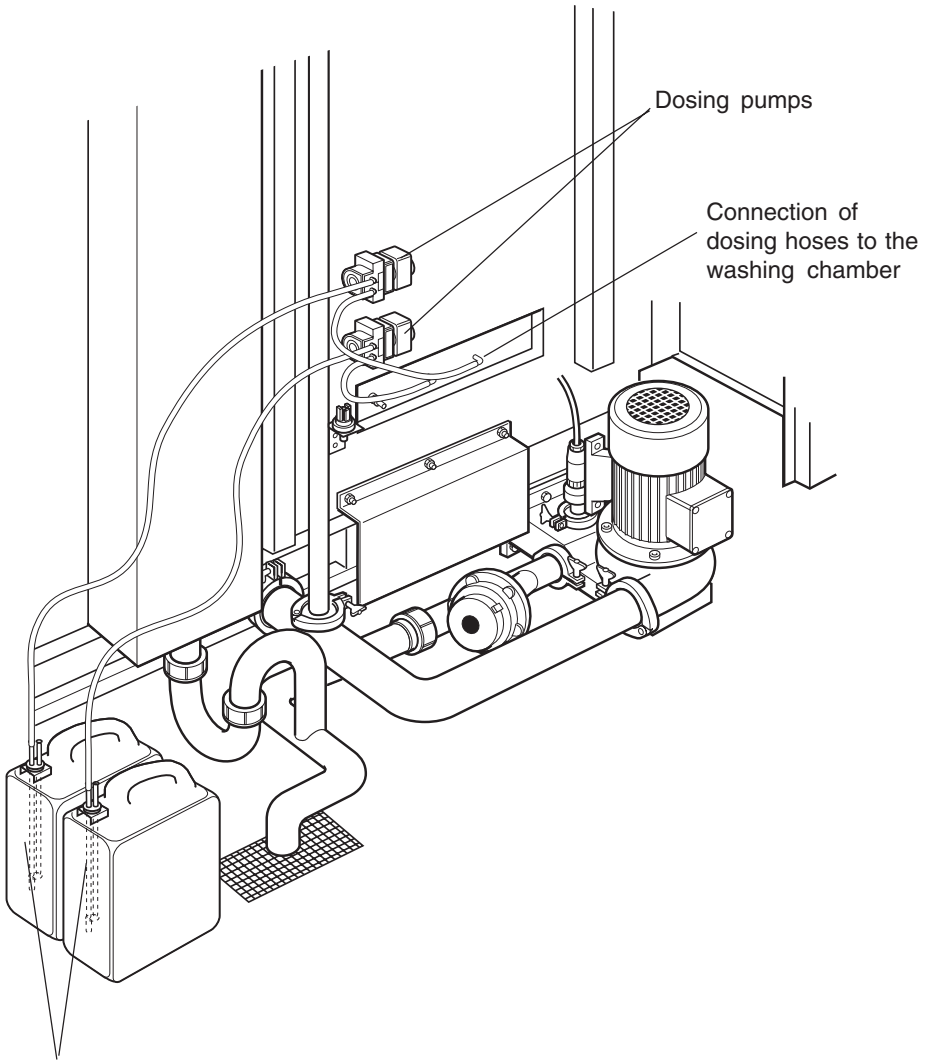
Both doors can never be open at the same time. Before start, the door on the soiled side is unlocked and the door on the clean side is locked. When the start button is pressed, both doors are locked. The door on the clean side can not be opened until a complete disinfection is accomplished. The door o n the soiled side stays locked. When the door on the clean side is opened, the goods removed and the door is closed, this door is locked and the door on the soiled side is unlocked to run the next process.

Dispenser system

In its standard version the machine has two different dispenser systems. One system for alkaline detergent and one system for rinse-aid or acidic detergent. The size of the dispenser dose can be individually set for each program and each separate part of the program.

The machine cannot be started if the detergent bottle is empty. The message "FILL DETERGENT" will be displayed when the detergent bottle becomes empty.

A third dispenser system can be installed if required, eg, for chemical disinfection of heat-sensitive dishware.



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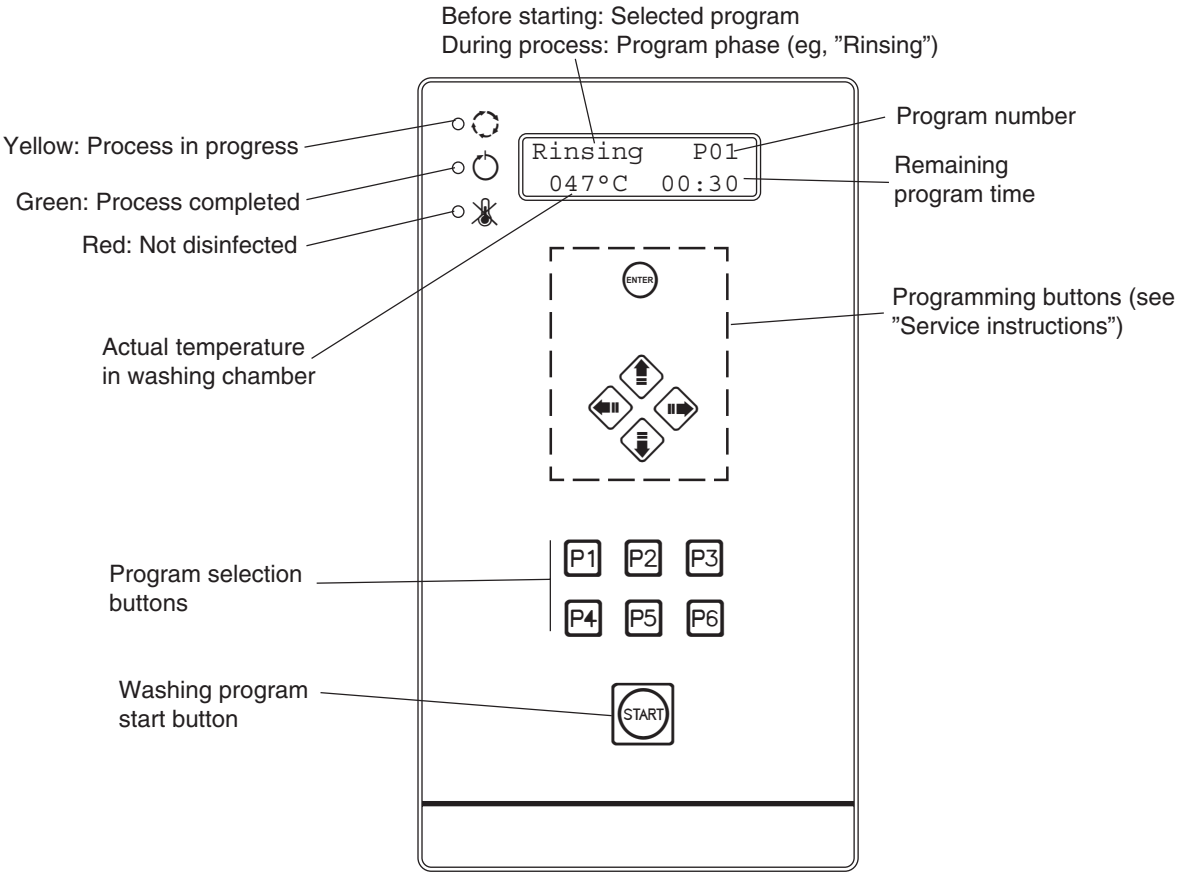
Operation



- Place the dishware in the trolley and roll it into the machine. The carriageway has tracks that indicates where the washing cart shall be placed (See picture under heading *Maintenance,* page 10).
- Ensure that the spray arms can rotate freely without touching the dishware. Close the door.
- Choose a program using the program selector buttons P1 - P6. The upper line of the display will then show the name and number of the program chosen. If no program is available under the program button that was chosen, the message ”NOT PROGRAMMED” will be displayed.
- Press the START button. The yellow lamp will light throughout the program sequence, and the current phase of the program, eg, ”Rinsing”, the actual temperature and the remaining program time will be displayed.
- On completion of the program, the green lamp will light and the door will be unlocked (door on the cleaned side if fitted with two doors).
- Empty the machine (and close the door on the cleaned side if fitted with two doors).
- If the same program is to be repeated it is not necessary to press a program selector button, just press the START button.
- The yellow lamp will flash for 10 seconds when the START buttom is pressed. During this period the program can be interrupted by pressing START once more.

Note.
The display window goes dark after 30 minutes and i automatically activated again on starting or when choosing a program.

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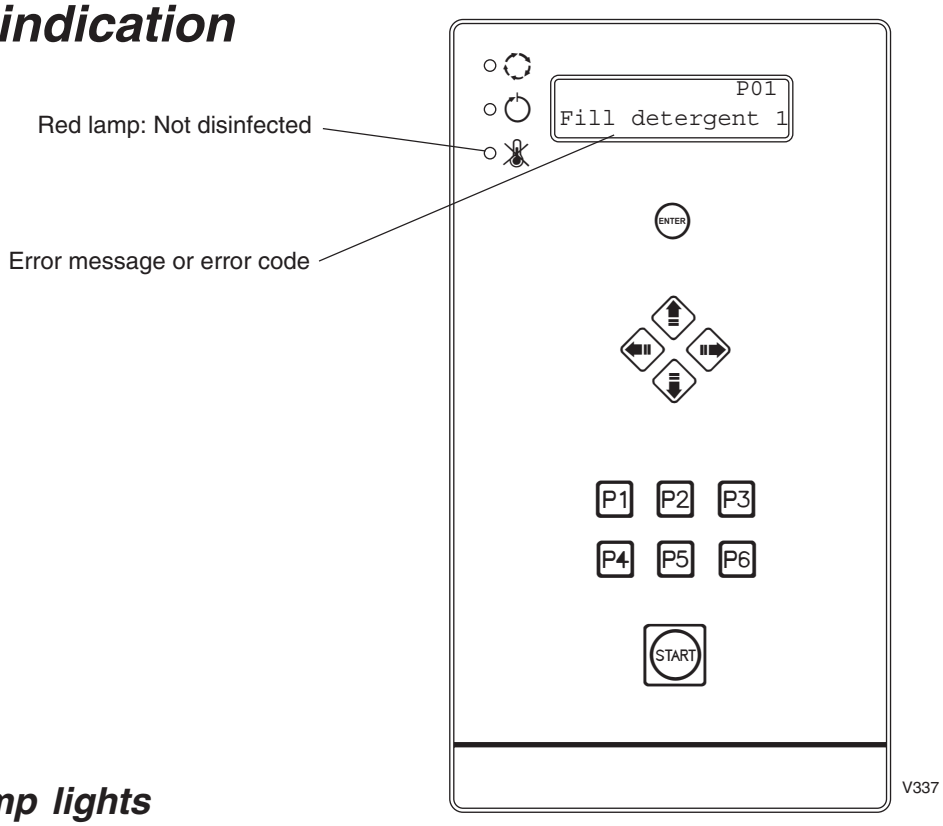
Error indication

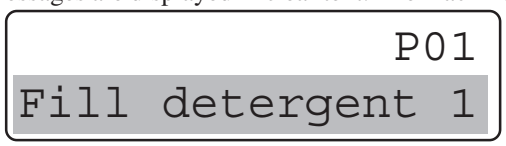


Red lamp lights

If the red lamp lights at , this is an indication that disinfection is aborted because the temperature is too low. Contact maintenance personnel.

Error messages

Error messages are displayed in clear text. The machine cannot be started until



the error is rectified. The following error messages can occur:

CHOOSE PROGRAM	START button has been pressed before choosing a program.
NOT PROGRAMMED	No program available for the program button P1 - P6 chosen.
CLOSE THE DOOR	START button pressed while door is open.
FILL DETERGENT 1	Detergent bottle 1 is empty and the START button has been pressed.
FILL DETERGENT 2	Detergent bottle 2 is empty and the START button has been pressed.
FILL DETERGENT 3	Detergent bottle 3 is empty and the START button has been pressed.

Note.
When the error message "Fill detergent" appers, there is always sufficient detergent left for one program.

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Error codes (F-Codes)

The error codes indicate a serious malfunction in the washing sequence. Such errors must be attended to by authorized personnel.

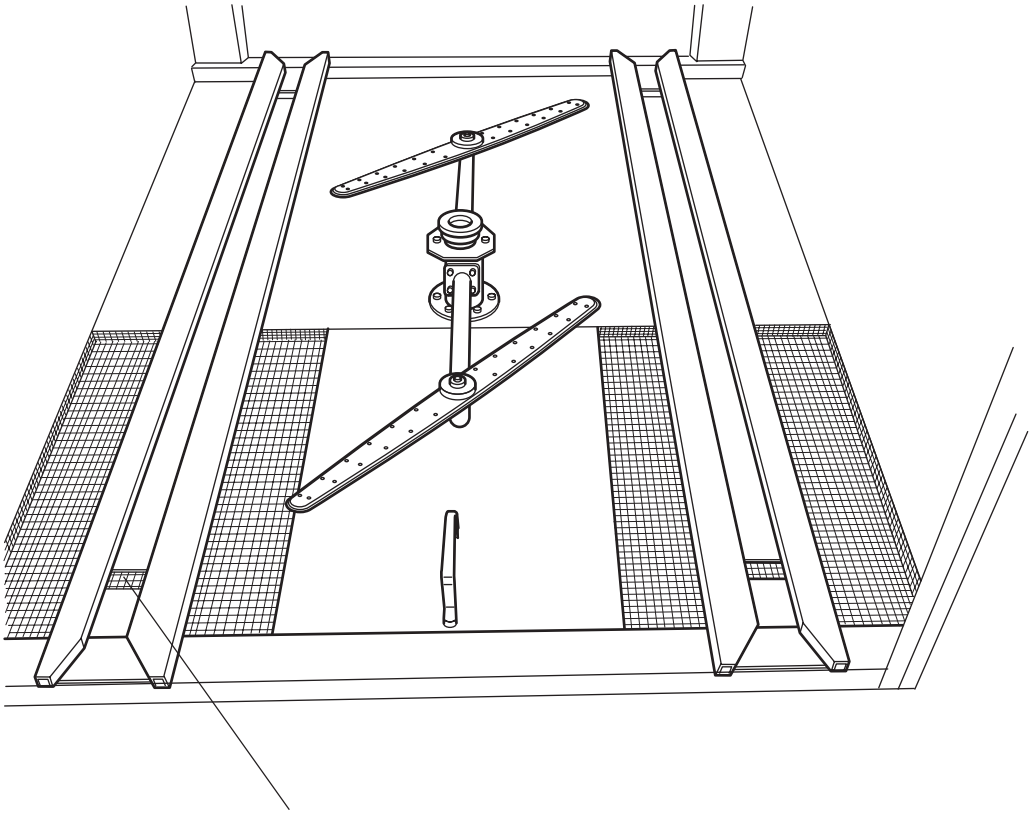
The following error codes can appear:

Code	Fault	Comments
1	Filling with water too slow	Water level sensor not activated within 10 minutes from commencement of filling.
2	Heating of water too slow	Water not heated 10°C from initial temperature within 8 minutes from commencement of heating.
3	Draining not working.	Water level sensor still activated at end of programmed draining period.
4	Drying air temperature too low.	Air temperature below 62°C after 15 minutes drying.
5	Faulty temperature sensor.	Displayed temperature below 0°C or above 110 °C.
7	Motor circuit breaker triggered.	Motor circuit breaker for the circulation pump is triggered.
8	Door malfunction, soiled side.	Sensor "Door closed" in lock not activated.
9	Door malfunction, clean side.	Sensor "Door closed" in lock not activated.
11	Conductivity	Conductivity out of preset range

Acknowledgement of error code

After rectifying an error, press the START button for at least 5 seconds to reset the code.

Maintenance



Marking for position of the washing cart

Daily

- Check that no object has fallen to the bottom of the washing chamber and is left lying there.
- Ensure that the spray arms can rotate freely. Ensure that the holes in the spray arms are not clogged.

  Clean the spray arms as required by unscrewing the centre nut, lift off the arm and flush clean. Ensure that the spray arm rotates freely after refitting.
- Remove and clean the coarse filter in the bottom of the flushing chamber.
- Check that there is detergent/rinse aid in the containers.
- Ensure that the dishware rack docks properly against the water connections.

If necessary

The washing chamber

The washing chamber should be kept free of limescale deposits. Remove remaining deposits by spraying on a normal acid-based detergent. Then run a program to cleanse the washing chamber (if the correct dosage of descaling compound is used, this should not normally be necessary).

Use protective equipment when you are cleaning the machine

The exterior

The front and side walls can be cleaned and disinfected with an alcohol-based detergent, surgical spirit, or normal detergent. The control panel can be cleaned in the same way.

Remove marks with ordinary stain-remover for stainless steel.

If the disinfector is used without automatic descaling, the steam generator must be checked regularly for limescale deposits.

Maintenance

How often maintenance will be required depends to a great extent on the quality of the water supply and how often the machine is used. The period between each maintenance should be determined in each particular case. We recommend, however, that the following maintenance measures should be performed once or twice every year.

Periodic maintenance

May only be performed by authorized personnel.

This machine is connected to mains power supply and some components are live.

Component **Interval**

	Inspect every year	Replace as required	Replace every year	Replace every two years	
Door gasket	●	●			
Hoses between dosing pump and detergent bottle	●			●	
Hose between dosing pump and machine	●			●	
Hose in hose pump	●			●	
Filter in input media	●	●			
Overheating protection	●	●			
Spray arm bearings	●	●			
Sterile filter in dryer	●	●	●		
Thermostat in dryer	●	●			
Hoses to dryer	●	●			
Printer ribbon	●	●			*option*

This product is manufactured by:
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